|             | Index of Claims |          |          |          |          |          |               |   |          |                  |          |          | Application No. |          |           |            |           |              |            |          |     |          |            | Applicant(s) |           |           |          |          |           |                 |           |           |  |
|-------------|-----------------|----------|----------|----------|----------|----------|---------------|---|----------|------------------|----------|----------|-----------------|----------|-----------|------------|-----------|--------------|------------|----------|-----|----------|------------|--------------|-----------|-----------|----------|----------|-----------|-----------------|-----------|-----------|--|
|             |                 |          |          |          |          |          |               |   |          |                  |          |          |                 |          |           | )/64       |           |              | 3          |          |     |          |            |              | A         | TT        | ΑF       | ۲, ۸     | <u> D</u> | IL              |           |           |  |
|             |                 |          |          |          |          |          |               |   |          |                  |          | ſ        | Examiner        |          |           |            |           |              |            |          |     |          |            | Art Unit     |           |           |          |          |           |                 |           |           |  |
|             |                 |          |          |          |          |          |               |   |          |                  |          |          |                 |          | О.        | avn        | 001       | ad i         | ۸۸/        | Ad       | dio |          |            |              | 36        | 371       |          |          |           |                 |           |           |  |
|             |                 |          |          |          |          |          |               |   |          |                  |          |          |                 |          | - 130     | ayıı       | 101       | Iu           | <u>vv.</u> | Au       | uie |          |            |              | 30        | 71        |          |          | -         |                 |           |           |  |
|             |                 | П        |          |          |          | $\neg$   |               |   |          | ľ                | Throu    | ah n     | un              | ner:     | <br>al)   | $\neg$     | Γ         | Т            |            |          |     |          |            | П            |           |           |          |          | _         |                 |           |           |  |
|             | Rejected        |          |          |          |          | -        | <b>`</b>      | C | ance     | llec             | 1        | ,        | İ               | I        | N         | No         | n-E       | lec          | ted        |          | A   |          | Α          | pp           | ea        | l         | -        |          |           |                 |           |           |  |
|             |                 | Н        |          |          | ᅥ        |          |               | Г |          |                  |          | _        |                 |          | $\exists$ |            | _         |              |            |          |     |          |            |              |           |           |          |          | $\neg$    |                 |           |           |  |
|             |                 | =        | Al       | lov      | vec      | †        |               |   | ÷        |                  | Re       | estric   | cted            | t        |           |            |           | 1            | Int        | terf     | ere | nce      |            | 0            |           | Ob        | je.      | cte      | d         |                 |           |           |  |
|             |                 | ш        |          |          |          |          |               |   |          |                  |          |          |                 |          |           |            |           |              |            |          |     |          |            |              |           |           |          |          |           |                 |           |           |  |
| Cla         | im              | ļ.,      |          |          | D        | ate      | ,             |   |          |                  | Cli      | aim      | <u> </u>        |          |           | <u>D</u> ; | ate       | _            | _          | -1-      | 4   | CI       | aim        | ļ.,          |           | F         |          | ate      | <u> </u>  |                 |           | $\dashv$  |  |
| ਲ           | nal             | 05/19/05 |          |          |          |          |               |   |          |                  | <u></u>  | Original |                 |          |           |            |           |              |            |          |     | <u>~</u> | Original   |              |           |           | İ        |          |           |                 | i         |           |  |
| Final       | Original        | 5/18     |          |          | -        | İ        |               |   |          |                  | Final    | Origi.   |                 |          |           | i          |           |              |            | İ        |     | Final    | Orig       |              |           |           |          |          |           |                 |           |           |  |
|             | Ļ               | L        | _        | 4        | 4        | _        | _             |   | _        | Ш                | ļ        | l        |                 | $\dashv$ | _         | _          |           | _            | $\perp$    | $\bot$   | 4   |          |            | Н            | $\dashv$  | $\dashv$  |          |          | _         | $\dashv$        | $\dashv$  | $\dashv$  |  |
|             | 2               | Н        | $\dashv$ | +        | ╁        | $\dashv$ | -             |   | $\vdash$ | $\vdash$         | -        | 51<br>52 |                 | -        | +         | +          |           | +            | +          | +        | +   |          | 101<br>102 | H            | $\dashv$  | $\dashv$  | $\dashv$ |          | -         | $\dashv$        | $\dashv$  | $\dashv$  |  |
|             | 3               | Н        | _        | +        | +        | ᅥ        |               | Т |          | $\Box$           |          | 53       | П               |          |           | $\neg$     | $\exists$ |              | †          |          | 1   |          | 103        |              |           |           |          |          |           |                 |           |           |  |
|             | 4               |          |          | $\perp$  | $\Box$   | $\Box$   |               |   |          |                  |          | 54       |                 |          |           |            | 4         | 4            |            |          | 1   |          | 104        | -            | _         |           | _        |          |           |                 | $\dashv$  | $\dashv$  |  |
|             | 5<br>6          | 1        | $\dashv$ | -        | $\dashv$ |          |               | _ | -        | Н                | -        | 55<br>56 | Н               | $\dashv$ | _         | +          | +         | +            | +          | +        | -   |          | 105<br>106 | H            | $\dashv$  | $\dashv$  | -        |          | -         | $\dashv$        | $\dashv$  | $\dashv$  |  |
|             | 7               | 7        | -+       | +        | $\dashv$ | ᅱ        | -             | _ |          | Н                |          | 57       | H               | -        | _         | $\dashv$   | $\dagger$ | +            | +          | - -      | ┨   | <u> </u> | 107        |              | $\dashv$  | $\dashv$  | ┪        | $\dashv$ |           | $\dashv$        | 十         | $\dashv$  |  |
|             | 8               |          |          |          |          |          |               |   |          |                  |          | 58       |                 |          |           |            |           |              |            |          | ]   |          | 108        |              |           |           |          |          |           |                 | $\Box$    |           |  |
|             | 9               |          | 1        | _        | $\dashv$ | _        |               |   | _        | $\sqcup$         |          | 59<br>60 |                 |          | -         | $\dashv$   | 4         | -            | +          | - -      | 4   | <u> </u> | 109<br>110 |              | -+        | -         | -        |          |           |                 |           |           |  |
|             | 10<br>11        |          | $\dashv$ | +        | $\dashv$ | $\dashv$ | -             | _ | <u> </u> | $\vdash$         | -        | 61       | Н               |          | -         | $\dashv$   | +         | ┿            | +          | +        | ┨   | -        | 111        |              | $\dashv$  | $\dashv$  | ᅥ        | -        | -         |                 | $\dashv$  | ᅥ         |  |
|             | 12              | П        |          | $\top$   | $\dashv$ |          | $\overline{}$ |   |          |                  |          | 62       |                 |          |           |            |           |              |            |          | 1   |          | 112        |              |           |           |          |          |           |                 | $\exists$ | $\Box$    |  |
|             | 13              |          |          | $\perp$  |          | $\Box$   |               |   |          |                  |          | 63       |                 |          | _         | _          | 4         | _            | 4          | $\perp$  | 4   | ļ        | 113        | Ш            | 4         | $\dashv$  | 4        | _        |           | _               |           | _         |  |
|             | 14<br>15        | <i>'</i> | -        | +        | $\dashv$ | -        | _             | _ | -        | H                | -        | 64<br>65 | H               | $\dashv$ |           | -          | +         | +            | +          | +        | ┨   | $\vdash$ | 114<br>115 | $\vdash$     | -         | -         | ᅱ        | -        |           | $\dashv$        | $\dashv$  | $\dashv$  |  |
|             | 16              |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -             | _ |          | Н                | -        | 66       |                 |          |           | $\dashv$   |           | $\dagger$    | +          | $\top$   | 1   |          | 116        |              |           | $\exists$ |          |          |           |                 | 士         | $\exists$ |  |
|             | 17              |          |          |          |          |          |               |   |          |                  |          | 67       |                 |          |           |            |           | $\Box$       | $\perp$    | I        | ]   |          | 117        |              |           | $\Box$    | $\Box$   |          |           |                 | $\exists$ |           |  |
|             | 18<br>19        | Н        | $\dashv$ | $\dashv$ | 4        | -        |               |   | L        | Н                |          | 68<br>69 |                 |          | -         | -          | +         | -            | +          | - -      | 4   | <u> </u> | 118<br>119 | $\vdash$     | -         | $\dashv$  | $\dashv$ |          | -         |                 |           | -         |  |
|             | 20              | H        | -        | ╁        | $\dashv$ | -        |               |   | -        | <del>     </del> |          | 70       |                 |          | -         |            | -         | +            | $\dagger$  | +        | 1   |          | 120        |              | _         | $\dashv$  | 1        |          |           |                 | $\dashv$  | $\dashv$  |  |
|             | 21              |          |          |          |          |          |               |   |          |                  |          | 71       |                 |          |           |            |           |              |            |          |     |          | 121        |              | $\exists$ |           |          |          |           |                 | =         |           |  |
|             | 22              | Ш        | _        | 4        | _        | _        | _             | _ | -        | Щ                | <b>—</b> | 72<br>73 |                 | $\sqcup$ |           |            | -         | -            | +          | - -      | 4   | <u> </u> | 122<br>123 |              | -         | -         |          | -        |           | $\vdash$        | $\dashv$  | -         |  |
|             | 23<br>24        | $\vdash$ | $\dashv$ | $\dashv$ | -+       | ᆉ        | -             | _ | ┢        | $\vdash$         | -        | 74       |                 |          | $\dashv$  | $\dashv$   | +         | +            | +          | +        | ┨   | -        | 124        |              | -         | -         | $\dashv$ | $\dashv$ |           | $\vdash$        | $\dashv$  | $\dashv$  |  |
|             | 25              |          |          |          |          |          |               |   |          |                  |          | 75       |                 |          |           |            |           |              |            |          | 1   |          | 125        |              |           |           |          |          |           |                 | $\Box$    |           |  |
|             | 26              |          | _        | $\perp$  | 4        | 4        |               |   | _        |                  |          | 76       |                 | $\sqcup$ |           | $\dashv$   | 4         | _            | -          | +        | 4   |          | 126        | $\vdash$     |           | -         | $\dashv$ |          |           |                 | $\dashv$  |           |  |
| -           | 27<br>28        | $\vdash$ | -        | +        | +        | $\dashv$ | -             |   | $\vdash$ | H                |          | 77<br>78 | -               |          |           | +          | $\dashv$  | +            | +          | +        | ┨   | -        | 127<br>128 | $\vdash$     |           | +         |          |          |           | $\vdash$        | +         |           |  |
|             | 29              | 1-1      | 寸        | $\dashv$ | $\top$   |          |               |   |          |                  |          | 79       |                 |          |           |            |           |              |            |          |     |          | 129        |              |           |           |          |          |           |                 | $\Box$    |           |  |
|             | 30              |          | $\perp$  | _        | 4        | _        |               |   | _        | $\vdash$         | <u> </u> | 80       | _               | $\dashv$ | _         | -          | -         | _            | +          | - -      | 4   |          | 130<br>131 |              |           | -         | $\dashv$ |          |           | $\vdash$        | -         | $\dashv$  |  |
|             | 31<br>32        | $\vdash$ | $\dashv$ | -        | ┽        | $\dashv$ | -             |   | _        | Н                | -        | 81<br>82 |                 | $\dashv$ | _         | +          | -         | +            | +          | +        | ┨   | <u> </u> | 132        |              | $\dashv$  | $\dashv$  |          |          |           | $\vdash$        | -+        | ᅱ         |  |
|             | 33              | ┢┈╽      | 1        | $\dashv$ | +        | $\dashv$ |               |   |          |                  |          | 83       |                 |          |           |            | $\top$    | Ī            |            |          | 1   |          | 133        |              |           |           |          |          |           |                 |           |           |  |
|             | 34              |          |          | $\Box$   | $\Box$   |          |               |   |          |                  |          | 84       |                 |          |           | $\Box$     | _         | $\perp$      | $\perp$    | $\perp$  | 7   |          | 134        |              | _         |           | _        |          |           |                 |           | _         |  |
|             | 35<br>36        | $\vdash$ | 4        |          | $\dashv$ | -        |               |   | _        | Н                |          | 85<br>86 | _               |          |           | $\dashv$   | -         | +            | +          | +        | +   |          | 135<br>136 |              | $\dashv$  | $\dashv$  |          |          |           | $\vdash$        | $\dashv$  | $\dashv$  |  |
|             | 37              | Н        | $\dashv$ |          | $\dashv$ | $\dashv$ | -             |   | $\vdash$ | H                | -        | 87       |                 | $\neg$   |           | $\dashv$   | $\dagger$ | +            | +          | +        | 1   | <b></b>  | 137        | Н            | $\dashv$  | 十         | -        |          |           |                 | +         |           |  |
|             | 38              |          |          |          |          |          |               |   |          |                  |          | 88       |                 |          |           |            |           |              |            |          | ]   |          | 138        |              | $\Box$    |           |          |          |           |                 | _         | _         |  |
|             | 39<br>40        | $\sqcup$ | -        | _        | $\dashv$ | $\dashv$ | _             | _ | -        | $\vdash$         |          | 89<br>90 |                 |          | -         | +          | +         | -            | +          | +        | +   | <u> </u> | 139<br>140 | Н            | $\dashv$  | $\dashv$  | -        |          |           | $\dashv$        | $\dashv$  | -         |  |
|             | 40              | $\vdash$ | $\dashv$ | +        | $\dashv$ |          |               |   | -        | $\vdash$         |          | 91       |                 | $\dashv$ | $\dashv$  | +          | $\dashv$  | +            | +          | +        | 1   | <b> </b> | 141        |              | -         | +         | $\dashv$ |          |           |                 | _         | $\exists$ |  |
|             | 42              |          |          | 1        | $\perp$  |          |               |   |          |                  |          | 92       |                 |          | $\exists$ |            | 1         | $\downarrow$ |            | 工        |     |          | 142        |              | $\Box$    | $\Box$    |          |          |           |                 | $\exists$ |           |  |
|             | 43              | $\Box$   |          | $\bot$   | $\perp$  | $\dashv$ | $\dashv$      |   | L        | $\vdash$         |          | 93       |                 | $\Box$   |           | _          | -         | +            | +          | +        | -   | -        | 143<br>144 |              | +         | $\dashv$  | 4        |          |           | $\vdash \vdash$ | $\dashv$  |           |  |
| <u> </u>    | 44<br>45        | $\vdash$ | $\dashv$ | +        | $\dashv$ | +        | _             |   | $\vdash$ | $\vdash$         | -        | 94       | -               | $\vdash$ | +         | $\dashv$   | +         | +            | +          | +        | 1   | -        | 144        | $\vdash$     | $\dashv$  | $\dashv$  | ᅥ        |          |           | H               | $\dashv$  | -         |  |
|             | 46              | $\vdash$ | $\dashv$ | $\dashv$ | 寸        | $\dashv$ |               |   |          |                  |          | 96       |                 |          | $\exists$ | $\exists$  |           | 士            | 士          | 士        | _   |          | 146        |              |           |           |          |          |           |                 | 二         |           |  |
|             | 47              | Ш        |          | 7        | $\Box$   | $\Box$   |               |   |          |                  |          | 97       |                 |          | $\Box$    | Ţ          | Ţ         | $\bot$       | 7          | $\perp$  | -   |          | 147        |              |           | 4         | _        | _        |           |                 | _         | _         |  |
|             | 48<br>49        | $\vdash$ | $\dashv$ | +        | +        |          | $\dashv$      |   | $\vdash$ | H                |          | 98<br>99 | -               | $\vdash$ |           | +          | +         | +            | +          | +        | -   | -        | 148<br>149 | $\vdash$     | $\dashv$  | +         | $\dashv$ | _        | -         | $\vdash \vdash$ | $\dashv$  | $\dashv$  |  |
| <del></del> | 50              | $\vdash$ | +        | +        | $\dashv$ | $\dashv$ | -             | _ | -        | H                |          | 100      | H               | $\vdash$ | $\dashv$  |            | +         | $\dashv$     | +          | $\dashv$ | 1   | -        | 150        | $\vdash$     | $\dashv$  | $\dashv$  | +        | _        |           | $\Box$          |           | $\dashv$  |  |

Application No.

Applicant(s)